

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021519\
 Data File : VF061649.D
 Acq On : 15 Feb 2019 11:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 16 05:24:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	357142	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	519035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	444199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	237296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	124004	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	
35) Dibromofluoromethane	4.13	113	181758	47.16	ug/l	0.00
Spiked Amount						
			Recovery	=	94.32%	
50) Toluene-d8	7.57	98	566044	51.09	ug/l	0.00
Spiked Amount						
			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.42	95	207307	46.24	ug/l	0.00
Spiked Amount						
			Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	182337	44.457	ug/l	99
3) Chloromethane	1.09	50	197735	45.950	ug/l	99
4) Vinyl Chloride	1.14	62	186781	46.690	ug/l	99
5) Bromomethane	1.32	94	130864	47.531	ug/l	96
6) Chloroethane	1.40	64	93911	47.635	ug/l	94
7) Trichlorofluoromethane	1.48	101	189445m	39.263	ug/l	
8) Diethyl Ether	1.63	74	53706	44.168	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	155122	44.565	ug/l	99
10) Methyl Iodide	1.92	142	232350	34.945	ug/l	99
11) Tert butyl alcohol	2.58	59	30391	200.508	ug/l	96
12) 1,1-Dichloroethene	1.80	96	141725	46.310	ug/l	96
13) Acrolein	2.01	56	50892	267.155	ug/l	99
14) Allyl chloride	2.11	41	159048	42.352	ug/l	97
15) Acrylonitrile	2.94	53	108871	202.504	ug/l	99
16) Acetone	2.24	43	137683	245.025	ug/l	97
17) Carbon Disulfide	1.83	76	390749m	40.620	ug/l	
18) Methyl Acetate	2.35	43	54131	42.762	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	236138	45.148	ug/l	99
20) Methylene Chloride	2.18	84	137897m	45.574	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	152282	45.774	ug/l	100
22) Diisopropyl ether	2.81	45	397806	44.129	ug/l	99
23) Vinyl Acetate	3.20	43	958533	217.702	ug/l	99
24) 1,1-Dichloroethane	2.88	63	234856	43.051	ug/l	99
25) 2-Butanone	4.34	43	280064	228.177	ug/l	96
26) 2,2-Dichloropropane	3.60	77	109658	47.456	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	194684	44.584	ug/l	96
28) Bromochloromethane	3.72	49	110513	42.221	ug/l	90
29) Tetrahydrofuran	4.09	42	109607	196.477	ug/l	98
30) Chloroform	3.87	83	285923	46.088	ug/l	97
31) Cyclohexane	3.69	56	269802m	45.686	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	162824	40.066	ug/l	99
36) 1,1-Dichloropropene	4.30	75	241676	47.003	ug/l	93
37) Ethyl Acetate	4.13	43	93480	39.143	ug/l	91
38) Carbon Tetrachloride	4.00	117	169065	47.619	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	303432	49.900	ug/l	99
40) Benzene	4.64	78	653389	48.583	ug/l	100
41) Methacrylonitrile	4.76	41	48975	40.100	ug/l	96
42) 1,2-Dichloroethane	4.96	62	143329	44.553	ug/l	97
43) Isopropyl Acetate	6.97	43	135206	47.829	ug/l	93
44) Trichloroethene	5.52	130	210082	48.305	ug/l	95
45) 1,2-Dichloropropane	6.25	63	152678	46.966	ug/l	92
46) Dibromomethane	6.10	93	96476	48.200	ug/l	95
47) Bromodichloromethane	6.40	83	209594	47.818	ug/l	99
48) Methyl methacrylate	6.73	41	69251	40.708	ug/l	96
49) 1,4-Dioxane	6.72	88	13807	863.375	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	431127	213.442	ug/l	99
52) Toluene	7.64	92	379538	46.532	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	172094	47.175	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	237947	48.970	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	110544	46.128	ug/l	95
56) Ethyl methacrylate	8.63	69	116623	43.710	ug/l	95
57) 1,3-Dichloropropane	8.86	76	185226	46.306	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	86938	188.853	ug/l	96
59) 2-Hexanone	9.50	43	303825	214.583	ug/l	98
60) Dibromochloromethane	8.73	129	152852	45.825	ug/l	99
61) 1,2-Dibromoethane	9.00	107	117657	45.265	ug/l	99
64) Tetrachloroethene	8.16	164	177397	48.859	ug/l	97
65) Chlorobenzene	9.81	112	439908	48.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	172273	48.774	ug/l	98
67) Ethyl Benzene	9.92	91	718120	47.907	ug/l	96
68) m/p-Xylenes	10.14	106	526598	91.793	ug/l	95
69) o-Xylene	10.72	106	300569	49.101	ug/l	99
70) Styrene	10.80	104	395356	45.653	ug/l	96
71) Bromoform	10.78	173	85394	44.523	ug/l	100
73) Isopropylbenzene	11.14	105	851009	50.370	ug/l	97
74) N-amyl acetate	11.38	43	187833	46.319	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	131817	43.550	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	86538	42.052	ug/l	99
77) Bromobenzene	11.50	156	204494	48.994	ug/l	94
78) n-propylbenzene	11.60	91	915613	47.227	ug/l	99
79) 2-Chlorotoluene	11.73	91	526157	48.458	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	671838	49.754	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	45065m	45.678	ug/l	
82) 4-Chlorotoluene	11.91	91	512754	45.497	ug/l	99
83) tert-Butylbenzene	12.13	119	730873	48.868	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	669192	49.883	ug/l	99
85) sec-Butylbenzene	12.31	105	964149	49.851	ug/l	98
86) p-Isopropyltoluene	12.47	119	804009	49.534	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	382908	47.058	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	374407	47.845	ug/l	97
89) n-Butylbenzene	12.85	91	761139	49.659	ug/l	95
90) Hexachloroethane	12.92	117	195983	51.916	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	353121	45.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21556	44.918	ug/l	58

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93) 1,2,4-Trichlorobenzene	14.21	180	265627	47.882	ug/l	97
94) Hexachlorobutadiene	14.20	225	170290	49.703	ug/l	97
95) Naphthalene	14.46	128	468781	48.298	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	252188	49.529	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

